

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. HARD1.015A	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Donald J. Merkley and Caidian Luo	
(USE SEVERAL SHEETS IF NECESSARY)		FILING DATE Herewith	GROUP Unknown
		11002 U.S.P.T.O. 09/970189 02/01	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
MJ		1,571,048	01-26-26	Garrow			
		5,021,093	06-04-91	Beshay			
		5,795,515	08-18-98	Fischer			
		2,377,484	06-05-45	Elmendorf			
		4,406,703	09-27-83	Guthrie, et al.			
		3,748,160	07-24-73	Carbajal			
		3,284,125	08-02-68	Bourlin			
		2,175,568	10-10-39	Haustein			
		6,086,998	07-11-00	Wihsmann			
		3,753,749	08-21-73	Nutt			
		4,647,505	03-03-87	Blackie, et al.			
		5,989,335	1-23-99	Soroushian, et al.			
		5,643,359	07-01-97	Soroushian, et al.			
		5,897,701	04-27-99	Soroushian, et al.			
		3,969,587	07-13-76	Occleshaw, et al.			
		5,102,596	04-07-92	Lempfer, et al.			
		6,138,430	10-31-00	Van Acoleyen, et al.			
		5,520,779	05-28-96	Bold			
		4,637,860	01-20-87	Harper, et al.			
		4,985,118	01-15-91	Vinson, et al.			
		4,497,688	02-05-85	Schaefer			
		5,804,003	09-08-98	Nishizawa			
		5,047,086	09-10-91	Hayakawa, et al.			
		5,030,289	07-09-91	Sattler, et al.			
		4,510,020	04-09-85	Green, et al.			
▼		5,405,498	04-11-95	Pease			

EXAMINER <i>M. Valpy</i>	DATE CONSIDERED 2/1/06
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. HARD1.015A	APPLICATION NO. Unknown
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (USE SEVERAL SHEETS IF NECESSARY)			APPLICANT Donald J. Merkley and Caidian Luo	
			FILING DATE Herewith	GROUP Unknown

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
MK		5,876,561	03-02-89	Tsai			
		5,415,734	05-16-95	Backlund, et al.			
		4,971,658	11-20-90	Henricson, et al.			
		4,944,842	07-31-90	Stromberg, et al.			
		6,228,215 B1	05-08-01	Hoffman, Jr.			
		RE 35,460	02-25-97	Klungness, et al.			
		5,191,458	03-02-93	Sutherland, et al.			
		5,223,090	06-29-93	Klungness, et al.			
		5,118,225	06-02-92	Koch, et al.			
		6,045,057	04-04-00	Moor, et al.			
		6,030,447	02-28-00	Naji et al.			
		4,098,701	07-04-78	Burnill et al.			
		4,177,176	12-04-79	Burnill et al.			
↓		5,063,260	11-05-91	Chen et al.			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
MK		EP484283	06-05-92	Europe	✓	—	
↓		AU 51515I	03-19-81	Australia	—	—	
↓		WO 91/01409	02-07-91	PCT	—	~	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	

R:\DOCS\LHL\LHL-2507.DOC  
091801

EXAMINER	<i>M. Halpern</i>	DATE CONSIDERED	2/1/06
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. HARD1.015A	APPLICATION NO. 09/970,389
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Markley et al.	
OJP (USE SEVERAL SHEETS IF NECESSARY)		FILING DATE October 2, 2001	GROUP 1731

*APR 16 2002*

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
MJ	5,465,547	11/14/95	Jakal	—	—	

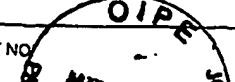
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)					

R:\DOCS\LHL\HL-333.DOC/sb  
040302

*RECEIVED*  
*APR 19 2002*  
*TC 1700*

EXAMINER	<i>M. Halpern</i>	DATE CONSIDERED	2/1/06
*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.			

FORM PTO-1449 <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>	<b>ATTY. DOCKET NO.</b> HAR1D.015A 	<b>APPLICATION NO.</b> 09/870,389
<b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	<b>APPLICANT</b> Merkley et al.	
	<b>FILING DATE</b> October 2, 2001	<b>GROUP</b> 1731

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>GCG</i>	4,971,658	11/20/99	Hennicson et al.	1	1	
<i>AGS</i>	5,429,717	7/4/85	Bokstrom et al.	1	1	
<i>RJY</i>	6,030,447	2/29/00	Naji et al.	1	1	

## **FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
SP	0 058 263 A1	07/21/82	Europe				
ZH	WO 96/17996	6/13/96	PCT				

**EXAMINER  
INITIAL**

**OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)**

**MR** Ekman, et al. "Studies on the Behavior of Extractives in Mechanical Pulp Suspensions," The Institute of Paper Science and Technology; June 1990.

R:\DOCS\LHL\LHL-3518.DOC:ss  
050802

M. Halpern

2/11/06

**EXAMINER**

**DATE CONSIDERED**

1-9-67

**\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.**